

Product datasheet for **MC227186**

Rbfox2 (NM_001286419) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox2 (NM_001286419) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbfox2
Synonyms: Fbm2; Fxh; Hrnbp2; Rbm9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227186 representing NM_001286419
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCAGGAGCCAACAACAACCTCTGACGCAATGGTTCAGC
CTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCCACAGAATATGGAGTGCCACACAC
TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAA
CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCAGCAGAGAAGGTGGAGCACAGACAGACGGAC
AACAGTACAGACACAAAGTAGTAAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTCTAA
TATTCCTTCCGCTTCCGAGACCCTGACCTCCGGCAGATGTTGGGCAGTTTGGCAAAATCCTAGATGTG
GAAATAATCTTTAATGAGCGCGGCTCCAAGGTGAATAATGCAACAGCACGGGTATGACCAACAAGAAGA
TGGTCACGCCATATGCAATGGCTGGAAGTTAAGCCCAGTAGTTGGAGCTGTGTATGGTCTGAGTTATA
TGCAGCATCCAGCTTTCAAGCTGATGTGTCCCTAGGCAATGAGGCGGCTGTGCCCTGTGAGGAAGAGGA
GGCATCAACACTTACATCCCTAATCATTCTGGCTTCCCTACCCAAGTGCAGCCACCACGGCAGCTG
CTTTCCGAGGAGCCCATCTGAGGGGACAGGGGCGGACAGTGTATGGTGCAGTCCGAGCGGTACCTCCAAC
AGCCATCCCCGCCTATCCAGGAATAGTGTACAGGAACCAATCATTAGCGCTAAAATACCTCAGGGTGGA
TATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCGCAGCCACAGCTGCTGCAGCCGCTGCAGCCG
CTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCCTACCATGCCCTCGCCCTGCCGCCAGCTA
TGGAGTTGGCGCTGTGGCGAGTTGTACCGAGGTGGCTACAGCCGATTTGCCCTACTGA

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286419



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Insert Size:	1041 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001286419.1</u> , <u>NP_001273348.1</u>
RefSeq Size:	6469 bp
RefSeq ORF:	1041 bp
Locus ID:	93686
UniProt ID:	<u>Q8BP71</u>
Cytogenetics:	15 D3
Gene Summary:	<p>RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis. Seems to act as a coregulatory factor of ER-alpha (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (9) has multiple differences in the 5' UTR and throughout the coding region, including initiation of translation from an alternate start codon, compared to variant 1. The encoded isoform (9) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>